
U.S. Department of the Interior • U.S. Geological Survey

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MANGANESE IN OCTOBER 1996

In October, reported consumption of manganese ore containing 35% or more manganese, exclusive of that at iron and steel plants, was 34,100 metric tons, which was a slight decrease of more than 3% from that of the previous month according to the U.S. Geological Survey. This brought the revised year to date total to 342,000 tons. These figures increase to 38,600 and 387,000 when estimates for annual respondents are added on the basis of 1994 data. Corresponding industry stocks of ore at the end of the month were estimated as 284,000 tons, which includes an estimate for annual respondents based on 1994 data. This was an increase of more than 8% in comparison with the corresponding figure for stocks at the end of September. (Data for the most recent 13 months are graphed on page 2.)

The next report of data on domestic consumption and stocks of manganese ferroalloys and metals will pertain to the July through September quarter of 1996.

September trade data appearing in this report were placed on FaxBack in preliminary form as of December 2. The FaxBack document number for these preliminary tables was 420209.

Foreign trade data for October will appear in a subsequent report. The data tabulated in this report indicated that for September the volume of trade was comparatively low for both imports and exports of manganese materials.

The Defense Logistics Agency (DLA), U.S. Department of Defense, reported for October a cash disposal from the National Defense Stockpile of 22,045 tons of metallurgical-grade manganese ore, which was to Elkem Metals Co. under an existing long-term contract. **Later action:** On December 3, DLA announced that it was canceling Solicitation of Offers for Electrolytic Manganese Metal, DLA-MET-101, which was originally issued June 23, 1995, and subsequently amended. DLA stated that it expected to issue a replacement for DLA-MET-101 in January 1997.

Note

Early availability of foreign trade statistics via FaxBack: The

TABLE 1
SELECTED U.S. FOREIGN TRADE IN MANGANESE 1/

(Metric tons, manganese content) 2/

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
1995:						
September	10,100	41,800	52,000	1,220	961	2,180
January-September	122,000	336,000	458,000	5,920	15,000	20,900
1996:						
January	8,860 3/	47,100 3/	56,000	386	1,540	1,930
February	1,410 3/	36,200 3/	37,600	1,620	1,670	3,290
March	14,400 3/	46,900 3/	61,300	435	1,610	2,050
April	32,500	61,400 3/	93,900	1,220	1,760	2,980
May	20,400 3/	46,800	67,200	2,240	1,630	3,870
June	26,300 3/	45,000 3/	71,300	2,550	1,230	3,780
July	18,100 3/	19,500	37,700	1,210	841	2,050
August	7,700 3/	55,500 3/	63,200	2,080	1,210	3,290
September	5,030 3/	33,400 3/	38,400	1,300	1,110	2,410
Total	135,000	392,000	527,000	13,000	12,600	25,600

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ As reported except as estimated for imports of manganese dioxide and manganese waste and scrap and for exports from gross weights.

gross weights.

3/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 2
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN SEPTEMBER 1996 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Argentina	--	--	--	7,490	4,870	\$4,910,000
Australia	--	--	--	30,800	20,600	20,600,000
France	--	--	--	20,900	13,800	11,100,000
Georgia	--	--	--	1,260	884	701,000
India	1,540	1,080	\$732,000	37,400	24,300	22,200,000
Kazakhstan	--	--	--	4,000	2,290	2,300,000
Macedonia	--	--	--	11,000	7,460	4,910,000
Mexico	2,130	1,350	957,000	18,600	12,100	10,900,000
Norway	1,610	1,010	1,630,000	7,340	4,450	7,040,000
Poland	--	--	--	3,040	2,100	2,050,000
Romania	--	--	--	12,400	8,290	6,790,000
Russia	--	--	--	1,200	778	597,000
South Africa	3,900	2,610	2,310,000	65,600	44,500	40,200,000
Spain	--	--	--	1,800	1,130	1,720,000
Venezuela	--	--	--	15,600	10,200	9,760,000
Total	9,180	6,050	5,630,000	239,000	158,000	146,000,000
Total, general imports	9,180	6,050	5,630,000	241,000	160,000	147,000,000

1/ Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN SEPTEMBER 1996 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Low carbon:						
Bangladesh	--	--	--	28	24	\$16,700
Belgium	8 2/	7 2/	\$5,070 2/	33	27	19,500
Brazil	--	--	--	20	17	39,000
Canada	--	--	--	42	34	53,000
Italy	192	172	315,000	4,160	3,720	6,730,000
Japan	401	361	615,000	2,380	1,990	2,750,000
Norway	--	--	--	1,070	883	1,240,000
South Africa	80	74	144,000	1,840	1,690	3,200,000
Total, low carbon	681	614	1,080,000	9,570	8,390	14,000,000
Total, general imports of low carbon	672	607	1,070,000	9,590	8,410	14,100,000
Medium carbon, 1%-2% C:						
Brazil	--	--	--	3,890	3,120	3,320,000
China	2,000	1,600	1,670,000	10,500	8,420	8,300,000
France	--	--	--	4,200	3,430	3,280,000
Japan	4,500	3,630	3,690,000	22,100	17,800	17,600,000
Mexico	1,380	1,110	1,080,000	17,600	14,200	14,500,000
Norway	--	--	--	2,540	2,080	2,060,000
South Africa	120	95	103,000	3,860	3,110	3,370,000
Total, m.c., 1%-2% C	8,000	6,430	6,540,000	64,700	52,100	52,400,000
Total, general imports of m.c., 1%-2% C	8,000	6,430	6,540,000	64,700	52,100	52,400,000
High carbon:						
Australia	--	--	--	23,200	17,400	9,470,000
Brazil	--	--	--	22,000	16,500	9,180,000
France	15,500	12,200	7,170,000	73,800	57,900	34,500,000
Mexico	--	--	--	6	5	3,650
Norway	--	--	--	56	45	66,500
South Africa	9,210	7,040	4,010,000	94,700	73,900	42,800,000
Total, high carbon	24,700	19,300	11,200,000	214,000	166,000	96,100,000
Total, general imports of high carbon	24,700	19,300	11,200,000	214,000	166,000	96,100,000
Grand total	33,400	26,300	18,800,000	288,000	226,000	162,000,000
Grand total, general imports	33,400	26,300	18,800,000	288,000	226,000	162,000,000

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 4
U.S. IMPORTS 1/ OF MANGANESE ORE (20% OR MORE MN) IN SEPTEMBER 1996 2/

(Metric tons)

Source	20% - 47% Mn		47% or more Mn		Total	
	Gross weight	Mn content	Gross weight	Mn content	Gross weight	Mn content
Gabon	--	--	4,860 3/	2,870 3/	4,860	2,870
Mexico	--	--	705 3/	470 3/	705	470
United Kingdom	--	--	60 3/	52 3/	60	52
Total	--	--	5,630	3,390	5,630	3,390
Year to date:						
Australia	--	--	68,500	34,500	68,500	34,500
Brazil	18,700	4,640	--	--	18,700	4,640
Gabon	--	--	151,000	60,000	151,000	60,000
Mexico	23,000	8,510	1,600	1,060	24,600	9,580
South Africa	--	--	27,000	12,900	27,000	12,900
United Kingdom	--	--	60	52	60	52
Total	41,700	13,200	248,000	108,000	290,000	122,000

1/ Quantities for general imports and imports for consumption are identical.

2/ Data are rounded to three significant digits; may not add to totals shown.

3/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL IN SEPTEMBER 1996 1/

(Metric tons, gross weight)

Source	Manganese dioxide				Manganese metal			
	Quantity	Customs value	Year to date		Unwrought		Other	
			Quantity	Customs value	Quantity	Year to date	Quantity	Year to date
Australia	1,780	\$2,530,000	14,900	\$21,000,000	--	--	--	--
Austria	--	--	2	4,080	--	--	--	--
Belgium	56	113,000	812	1,410,000	--	--	--	30
Brazil	--	--	254	349,000	--	--	--	--
Canada	--	--	5	7,940	--	--	(2/)	9
China	--	--	17	19,600	140	700	--	--
France	--	--	--	--	--	--	--	63
Germany	28	134,000	71	325,000	--	--	3	155
Ireland	780	1,090,000	4,950	6,920,000	--	--	--	--
Japan	--	--	6	16,400	--	--	--	--
Mexico	--	--	4	6,480	--	--	--	--
Russia	--	--	--	--	--	3	--	--
South Africa	95	130,000	248	370,000	688	6,090	59	335
Ukraine	--	--	--	--	100	190	--	--
United Kingdom	--	--	360	504,000	--	--	(2/)	152
Total	2,740	4,000,000	21,600	31,000,000	928	6,990	62	744
Total, general imports	2,740	4,000,000	21,700	31,000,000	964	7,390	62	744

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

Note: Imports for consumption of metallic manganese waste and scrap totaled 40 tons, all of which was from Canada, to give a year to date total of 203 tons.

Source: Bureau of the Census.

TABLE 6
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE MN), FERROMANGANESE,
SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN SEPTEMBER 1996 1/

(Metric tons, gross weight)

	Manganese ore		Ferromanganese, 2% or less C		Silicomanganese		Manganese metal 2/	
	September	Year to date	September	Year to date	September	Year to date	September	Year to date
Australia	--	142	--	--	--	2	--	--
Belgium	--	2,750	--	--	--	--	186	373
Bolivia	--	3	--	--	--	--	--	--
Brazil	405	2,290	--	12	--	5	--	46
Canada	866	4,490	675	4,550	205	4,020	93	735
China	--	5,620	--	--	--	--	--	--
Colombia	--	--	--	31	--	--	--	3
El Salvador	--	354	--	--	--	--	--	--
France	--	1,990	--	94	--	--	--	342
Germany	--	478	--	--	--	--	--	95
Hong Kong	--	--	--	6	--	--	1	4
India	--	153	--	--	--	--	--	41
Indonesia	--	--	--	--	--	--	2	2
Italy	1,280	1,930	--	--	--	--	--	16
Japan	--	1,680	--	--	--	--	33	808
Korea, Republic of	--	519	--	--	--	--	24	135
Mexico	59	130	25	170	4	273	4	271
Netherlands	--	--	--	--	3	141	--	433
Saudi Arabia	--	--	--	--	--	--	--	1
Sweden	--	3,380	--	--	--	--	--	88
Taiwan	--	--	--	--	--	--	--	51
Trinidad and Tobago	--	159	--	--	--	--	--	--
United Kingdom	--	(3/)	--	--	--	--	--	948
Venezuela	--	--	--	14	--	--	--	--
Total	2,610	26,100	699	4,880	212	4,440	342	4,390

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Includes manganese-aluminum, some other alloys, and waste and scrap.

3/ Less than 1/2 unit.

Note: Exports of ferromanganese with more than 2% carbon totaled 93 tons, of which 90 tons went to Canada and 3 tons went to Mexico, to give a year to date total of 1,800 tons.

Source: Bureau of the Census.

TABLE 7
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN SEPTEMBER 1996, BY CLASS 1/

Class	Gross weight (metric tons)	Value 3/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 3/	Year to date p/ 2/		
				Gross weight (metric tons)	Value 3/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 3/
Imports for consumption:						
Manganese oxides other than dioxide	52	\$102	Japan 32; \$89	811	\$2,040	Japan 350; \$1,070
Sulfates, basket category, including manganese sulfate	1,390	993	Mexico 957; \$457	20,700	11,600	Mexico 13,700; \$6,440
Potassium permanganate	151	295	Czech Republic 72; \$139	1,060	2,110	Czech Republic 486; \$923
Manganites, manganates, and other permanganates	4	9	Canada 3; \$3	14	43	Canada 13; \$37
Exports:						
Manganese dioxide	185	138	Canada 81; \$37	2,660	2,940	Canada 1,350; \$599
Manganese oxides other than dioxide	459	696	Canada 171; \$79	5,910	6,530	Canada 2,470; \$1,100
Sulfates, basket category, including manganese sulfate	1,720	1,280	Canada 1,320; \$670	16,600	10,600	Canada 13,500; \$4,610
Potassium permanganate	44	92	Germany 31; \$62	419	981	Germany 199; \$450
Manganites, manganates, and other permanganates	2	16	Mexico 1; \$3	157	820	Germany 79; \$369

p/ Preliminary.

1/ Data are rounded to three significant digits.

2/ May include revisions to previous months' data.

3/ For imports, Customs value; for exports, f.a.s. value.

Source: Bureau of the Census.